

IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A stent graft, comprising:
a tubular prosthetic graft comprising an outer surface;
a support structure expandable between a contracted condition for facilitating introduction into a blood vessel, and an enlarged condition for securing the graft across a weakened region of the blood vessel; and
an acoustic biosensor attached to at least one of the graft and the expandable support structure, the acoustic biosensor comprising means for converting acoustic energy received from an externally originated signal into a current supply for powering a pressure sensor embedded in the acoustic biosensor, the[[a]] pressure sensor having at least a portion exposed to a region external to the stent graft to sense pressure beyond the outer surface of the graft within the weakened region of the blood vessel when the graft is secured within the blood vessel.
2. (Currently amended) The stent graft of claim 1, wherein the acoustic biosensor is directly attached to an outer surface of the graft such that the pressure sensor is exposed outside the graft.
3. (Currently amended) The stent graft of claim 2, wherein the acoustic biosensor is attached to the graft by sutures or an adhesive.
4. (Currently amended) The stent graft of claim 1, wherein the acoustic biosensor is directly attached to struts comprising the support structure.

5. (Original) The stent graft of claim 1, wherein the support structure comprises a self-expanding stent.

6. (Original) The stent graft of claim 1, wherein the support structure comprises a balloon-expandable stent.

7-20 (Canceled)

21. (Currently amended) The stent graft of claim 1, wherein the weakened region of the blood vessel comprises an aneurysmal sac, and the acoustic biosensor is configured for sensing a pressure within the aneurysmal sac when the graft is secured within the blood vessel.

22-24. (Canceled)

25. (Currently amended) The apparatus of claim 4, wherein the support structure is attached to an inner surface of the graft, and wherein the acoustic biosensor is mounted in a hole through the graft such that the pressure sensor is exposed outside the graft.

26. (Canceled)